(19) World Intellectual Property Organization International Bureau



I COTATA COMPANIA DE ESTANA DENTA MANTA NA PERO ANNO DENTA CONTRA CONTRA CONTRA CONTRA CONTRA CONTRA CONTRA CO

(43) International Publication Date 18 April 2002 (18.04.2002)

PCT

(10) International Publication Number WO 02/30921 A1

- (51) International Patent Classification⁷: C07D 401/12, 213/26, A01N 43/40
- (21) International Application Number: PCT/KR00/01138
- (22) International Filing Date: 12 October 2000 (12.10.2000)
- (25) Filing Language:

Korean

(26) Publication Language:

English

- (71) Applicant (for all designated States except US): LG CHEM INVESTMENT LTD. [KR/KR]; 20, Yoido-dong, Yongdungpo-ku, Seoul 150-010 (KR).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): KOO, Suk-Jin [KR/KR]; Expo Apt. #403-801, Junmin-dong, Yusong-gu, Taejon 305-390 (KR). CHO, Jin-Ho [KR/KR]; Expo Apt. #509-601Junmin-dong, Yusong-gu, Taejon 305-390 (KR). KIM, Jeong-Su [KR/KR]; Expo Apt. #410-901, Junmin-dong, Yusong-gu, Taejon 305-762 (KR). KANG, Seung-Hun [KR/KR]; Eunhasu Apt. #106-102, Dunsan-dong, Seo-gu, Taejon 302-120 (KR). KANG, Kyung-Goo [KR/KR]; Song-gang Green 317-503, Song-gang-dong, Yusong-gu, Taejon 305-751 (KR). KIM, Dae-Whang [KR/KR]; Hanbit Apt. #132-304, Uh-eun-dong, Yusong-gu, Taejon 305-755 (KR). CHANG, Hae-Sung [KR/KR]; Hanbit Apt. #105-201, Uh-eun-dong, Yusong-gu, Taejon

305-755 (KR). KO, Young-Kwan [KR/KR]; Hanbit Apt. #102-1702, Uh-eun-dong, Yusong-gu, Taejon 305-755 (KR). RYU, Jae-Wook [KR/KR]; Hanbit Apt. #120-305, Uh-eun-dong, Yusong-gu, Taejon 305-755 (KR).

- (74) Agent: CHOI, Kyu-Pal; 824-11, Yeoksam-dong, Kangnam-ku, Seoul 135-080 (KR).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

//30921 A1

(54) Title: HERBICIDALLY ACTIVE PYRIDINE SULFONYL UREA DERIVATIVES

(57) Abstract: The present invention relates to pyridine sulfonyl urea derivatives, salts or stereochemical isomers thereof showing an effective herbicidal activity in pre- and/or post-emergence treatment in rice farming, or to a method to use thereof, a method for the preparation thereof, an intermediate used for the preparation thereof, and a herbicidal composition comprising same.